MÉMOIRES

DU

MUSÉUM NATIONAL

D'HISTOIRE NATURELLE

NOUVELLE SÉRIE

TOME XX

FASCICULE 5

M. CAMERON

NEW STAPHYLINIDAE FROM THE IVORY COAST

PARIS

ÉDITIONS DU MUSÉUM

36, rue Geoffroy-Saint-Hilaire (V^e^)

1948

Janvier 1948

Source : MNHN, Paris

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Compte chèques postaux : Paris 124-03.

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Source : MNHN, Paris

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MÉMOIRES DU MUSÉUM NATIONAL D'HISTOIRE NATURELLE

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NEW STAPHYLINIDAE FROM THE IVORY COAST

[COLEOPTERA]

par le Dr M. Cameron

Au cours d'une mission effectuée, pour le compte de l'Institut Français d'Afrique Noire, de juin à octobre 1945, en Côte d'Ivoire, nous avons eu l'occasion de faire d'importantes récoltes de Coléoptères Staphylinides. Ces récoltes ont été effectuées dans la réserve forestière de Banco, près d'Abidjan, en forêt primaire d'Azaguié, sur les deux petits massifs de la savane baoulée : le Koua Bocca et l'Orombo Bocca, et sur le massif du Tonkoui, près de Man. Dans l'ensemble, nos recherches n'ont pas été orientées vers la réalisation d'un inventaire faunistique détaillé, mais plutôt vers l'étude de certains milieux spéciaux, en particulier la faune du sol, celle des termitières et des colonnes de mañans, la faune des terriers et des nids, ont été plus spécialement travaillées.

Ceci contribue à expliquer que, sur plus de deux cents espèces récoltées, une bonne moitié constituait des formes nouvelles. Dans le travail qui suit, le Dr M. Cameron n'en décrit qu'une partie, la description des espèces nouvelles représentées par des uniques, malheureusement très nombreuses, étant réservée pour un travail ultérieur. Les types des espèces décrites ici, et une première sélection de notre matériel, sont déposés dans les collections du Laboratoire d'Entomologie du Museum; des cotypes ont été conservés par le Dr Cameron; un dédoublement du matériel sera envoyé à Dakar, pour les collections de l'Ifan.

Dans ce qui suit, bon nombre d'espèces proviennent des colonnes et des abris temporaires de mañans (1). Nous avons, en effet, eu la chance de pouvoir faire, avec le concours de M. F. Conic, stagiaire de l'Office de la Recherche Scientifique Coloniale, adjoint à notre mission, de très importantes récoltes dans ces milieux, jusqu'ici fort peu étudiés dans l'Afrique Française.

Sans doute, nos récoltes, faites pendant les pluies, ont-elle été grandement

1. Les descriptions de quelques nouvelles espèces myrmécophiles, provenant d'autres collecteurs, ont été comprises dans ce travail.

Source : MNHN, Paris

favorisées par la saison. L'important matériel rapporté ainsi sera l'ohje d'una étuda détaillée sur la morphologie des Staphylinides myrmécophiles. Bien que certains *Zyras* n'aient pas été récoltés avec les mañans, mais posés sur les feuillages en lisière de forêt, il nous paraît très probahle que ces Insectes sont réellement des myrmécophilas, na quittant les colonnes qu'accidentellement.

R. Paulian.

Eleusis Pauliani, n. sp.

Shining; hlack, the elytra yellow, the scutellary region, posterior margin and posterior two thirds of the reflexed sides hlack; apex of abdomen reddish. Antennae and legs reddish yellow. Length : 3.75 mm.

At first sight much like *humilis* Er. but at once distinguished hy the longer and more slender antennae and longer 11th segment and the ground sculpture not uniform on tha fore-parts. ♂ : head suborbicular, slightly narrowar than the thorax, more orhicular than in *humilis* and with smaller eyes. Very finely and very sparingly punctured and with very fine striate ground sculpture in front only, elsewhere without. Thorax broader and shorter than in that species, without lateral denticle, along the middle, anteriorly, with a vary fina impressed line, the anterior border hifoveate on each side, the puncturation extremely fine and scanty, ground sculpture ahsent except near the foveae and anterior angles.

Elytra longer (5:4) and broader than the thorax, as long as hroad, very finely and very sparingly punctured and without ground sculpture except at the base and sides. Ahdomen coriaceous with a few setiferous punctures. ♀ : head smaller than in ♂, in other respects similar.

Antennae in both sexes with the 3rd sagment longer than the 2nd, 4th to 7th longer than hroad, decreasing in length, 8th to 10th as long as hroad, 11th as long as 9th and 10th together.

Ivory Coast : Oromho Bocca, 550 m.

Lisplnus difficilis, n. sp.

In build, colour and antennal structure, scarcely differing from *aethiops* Epp. hut more shining, the punctures of head not quite so numerous or so close, the ground sculpture much weaker hut of similar character; thorax much less closely punctured at the sides, the ground sculpture extremely fine, scarcely visihle; elytra with larger punctures on the disc than in *aethiops*, the ground sculpture extremely fine and retiform not longitudinal as in that species. Length : 3 mm.

Ivory Coast : Réserva forestière du Banco.

Trogophloeus (Taenosoma) Pauliani, n. sp.

Shining hlack, tha elytra more or less pitchy, the apex of abdomen hrownish yellow. Antennae reddish yellow. Legs yellow. Length : 2 mm.

Source : MNHN, Paris

Less robust than *impressus* Lac. the head and thorax shorter and broader, the elytra shorter. Antennae shorter, stouter and differently coloured, eyes smaller, puncturation less uniform, thorax shorter, more transverse, the puncturation finer and more superficial, elytra with larger punctures.

Head short and broad, almost as broad as the thorax, the eye slightly longer than the rounded post-ocular region, distinctly longer than the temple, the punctures fine and close. Antennae with the 3rd segment slightly shorter than the 2nd, 4th about as long as broad, 5th larger than 4th and 6th, about as long as broad, 6th to 10th gradually more transverse, the penultimate a half broader than long. Thorax transverse (3,1 : 2,1) the sides strongly retracted behind, bi-impressed on the disc posteriorly, closely shagreened, shining. Elytra longer (3,1 : 2,1) and broader than the thorax, broader than long (4 : 3,1) more coarsely and less closely punctured than in *impressus*. Abdomen finely coriaceous, very finely, moderately closely, indistinctly punctured.

Ivory Coast : Réserve du Banco.

Trogophloeus (Taenosoma) fimbriolatus, n. sp.

Shining black, the elytra pitchy, the posterior margin, apex of abdomen, antennae, palpi and legs reddish yellow. Length : 2 mm.

Much like *punctiger* Bernh. in build except for the shorter elytra, but shining, the eyes distinctly smaller, the antennae much longer and more slender and different sculpture; from *Pauliani* Cam. it differs in the smaller eyes, more dilated temples, more slender antennae and shorter differently coloured elytra. Head nearly as wide as thorax, the eyes small, a good deal shorter than the temples which are rounded and slightly dilated, finely and closely punctured.

Antennae with the 3rd segment a little shorter than the 2nd, 4th to 10th transverse, increasing in width, the last three forming a club.

Thorax transverse (3 : 2,2) the sides rather strongly retracted behind, longitudinally bi-impressed on the disc in the middle, impunctate, rather coarsely shagreened, (more coarsely than in *Pauliani*) and shining.

Elytra slightly longer than the thorax, slightly widened behind, transverse (3,75 : 2,5) with close and rather coarse punctures. Abdomen very finely, sparingly punctured, finely coriaceous.

Ivory Coast : Réserve du Banco.

Holotrochus palaeotropicus, n. sp.

Shining black, the posterior margins of the tergites rufescent. Antennae and legs reddish yellow. Length : 3 mm.

In size and build much like the *Mülleri* Bernh. but differently colored, the puncturation of thorax and elytra finer and less close, the fore-parts glabrous. Head very finely, rather sparingly punctured. Antennae rather short and slender, 3rd segment much shorter than 2nd, 4th and 5th small, about as long as broad, 6th to 10th transverse increasing in width, the penultimate about

Source : MNHN, Paris

twice as broad as long. Thorax transverse (3 : 2) the sides feebly rounded in front, straight and a little retracted behind, at the rectangular posterior angles impressed, the puncturation much less fine and closer than on the head, the impressions impunctate. Elytra as broad as, but a little longer (2,75 : 2) than the thorax, the puncturation rather close but superficial and obsolete, the sutural stria distinct. Abdomen almost impunctate, finely coriaceous and glabrous.

Ivory Coast, Azaguié (Type); Réserve du Banco.

Osorius adjacens, n. sp.

Black : head in front dull, coriaceous, rest of body shining. Antennae and legs reddish brown. Length : 13-14 mm.

Size, build, colour and lustre of *assiniensis* Fauv. The sculpture of the head and elytra almost the same, but the puncturation of the thorax much finer and not so close. Head with truncate and crenulate anterior border, the declivous front along the middle, sometimes with narrow and more shining line, elsewhere strongly coriaceous and dull, with small sparing, oval shining granules which at the sides tend to coalesce longitudinally; base moderately finely, rather closely punctured, Vertex with narrow flat impunctate space along the middle, elsewhere closely striate. Thorax rather finely, moderately closely, simply punctured. Elytra and abdomen as in *assiniensis*.

Ivory Coast : Réserve du Banco.

Osorius Delamarei, n. sp.

Shining black, the antennae and legs reddish yellow. Length : 5.5 mm. Much like *opaculus* Epp. in build, the antennae a little stouter. Head truncate in front, the declivous part in the middle without sculpture or median ridge, at the sides with some fine short rugae, the vertex with well marked shining median ridge, at sides with rugae coarser than in *opaculus* and more or less interrupted. Thorax very slightly transverse (4 : 3.75) the sides practically straight and retracted from apex to base, the posterior angles not explanate, along the middle with moderately broad smooth area, elsewhere with coarser, less close and more interrupted rugae than in *opaculus*, less puhescent and more shining. Elytra as long as the thorax, less closely and more superficially puncturad than in that species. Abdomen asperately punctured, not so closely as in *opaculus*.

Ivory Coast : Azaguié.

Astenus noctivagans, n. sp.

Moderately shining, black, the posterior margin of elytra narrowly reddish yellow, more broadly at the postero-external angle. Antennae and legs pale yellow, the knees broadly blackish. Length : 6 mm.

Source : MNHN, Paris

In huild much like *burgeoni* Bernh. hut with longer, differently colored elytra and legs, the sculpture of the head and thorax finer. Head longer than broad (4,5 : 4), hroader than the elytra, the flatly rounded post-ocular region much longer than the eye, the reticulate-umbilicate punctures small, the sculpture in certain lights longitudinally striate, the antennae long and slender, the penultimate segments much longer than broad. Thorax narrow, longer than hroad (4 : 2,5) about the middle widest and with rounded sides, from thence straightly retracted in front and behind; sculpture as on the head. Elytra scarcely longer than the thorax, longer than hroad (4 : 3,5) with close rather coarse transversely rugulose sculpture. Abdomen closely and rather coarsely pinctured on the first visible tergite, gradually more finely on the following and with a fine coriaceous ground sculpture.

6th sternite with deep triangular emargination : 5th flattened in the middle; the posterior margin with a hroad and very sballow emargination furnished with short hlack spines.

Ivory Coast : Réserve du Banco.

Astenus montanelius Bernb., var **terminatus,** nov.

This only differs from the type form with which it was found, in the 6th and 7th tergites being hlack.

Ivory Coast : Réserve du Banco.

Stilicus submetallicus, n. sp.

Black, head and thorax rather dull, elytra and ahdomen more shining with slight metallic reflex, the former with tbe posterior margin narrowly reddish yellow, wider at the postero-external angle. Antennae and legs reddish yellow. Length : 4 mm.

Head transverse, suhquadrate, tbe base truncate, tbe posterior angles rounded, as hroad as the elytra, the eyes as long as the temples, with close rather small umhilicate punctures. Antennae with the 3rd segment longer than the 2nd, 4th slightly longer than broad, 5tb as long as hroad, 6th to 10th transverse, slightly increasing in width. Thorax trapezoidal, as long as hroad, widest and rounded at the first third, from there straightly retracted in front and behind; sculpture as on the head. Elytra as long as hroad, the ground colour much like that of *chalceipennis* Bernh., finely and closely punctured, finely pubescent. Ahdomen very finely and closely punctured and puhescent.

Ivory Coast : Réserve du Banco.

Acanthoglossa apicipennis, n. sp.

Black moderatly shining, the posterior margin of the elytra rather hroadly, the posterior margins of tbe 5th and 6th visible tergites narrowly, reddish yellow. Antennae and legs reddish yellow. Length : 3,3 mm.

Source : MNHN, Paris

In size and huild much like *hirta* Kr. but differently colored, the sculpture and puhescence finer. Head transverse, subquadrate, the posterior angles briefly rounded, as hroad as the elytra, the eyes much shorter than the temples, the punctures close, umbilicate, moderate. Antennae rather short, the 3rd segment a little shorter than the 2nd, 4th to 10th gradually more transverse. Thorax trapezoidal, convex, transverse (2,5 : 2) hefore the scutellum sometimes with a short shining keel, the sculpture as on the head. Elytra as long and as hroad as the thorax, rather finely closely punctured, transversely rugulose, along the suture on each side with 8 or 9 larger punctures in a douhle row. Ahdomen very finely and closely punctured throughout. The whole insect with a fine short close pubescence.

Ivory Coast : Réserve du Banco.

Medon (Hypomedon) speciosus, n. sp.

Shining, head red, thorax and ahdomen reddish yellow, the 7th tergite infuscate at the hase; elytra hlack, the hase and suture narrowly, the posterior margin more broadly, yellow, especially externally. Antennae and legs reddish yellow. Length : 3,5 to 4 mm.

In build somewhat like *debilicornis* Woll. hut larger, differently colored, the eyes larger and the fore-parts without ground sculpture. Head transverse, quadrate, nearly as broad as the thorax, the eye as long as the temple, the disc impunctate posteriorly, elsewhere with rather close, moderate umhilicate punctures. Antennae with the 3rd segment a little longer than the 2nd, 4th and 5th slightly longer than hroad, 6th to 10th transverse increasing slightly in width. Thorax transverse (4,4 : 4) trapezoidal, narrowly impunctate along the middle, elsewhere with much finer and less close punctures than on the head. Elytra longer (5 : 4) and broader than the thorax, slightly transverse, with larger and closer punctures. Abdomen very finely, moderately closely punctured, very indistinctly coriaceous. Head, thorax and abdomen at the sides with some long hlack setae, the elytra with shorter ones and fine puhescence.

6th sternite with deep triangular excision of the posterior margin, the apex rounded.

Ivory Coast : Réserve du Banco.

Leptacinus anommatophilus, n. sp.

Shining black, the first three visible tergites hrownish yellow. Antennae with the first two segments yellowish red, the following reddish. Legs reddish yellow. Length : 4 mm.

Except for the hlack elytra, resemhles in colour *brevisulcatus* Cam. hut also differs in the following respects, smaller, the head shorter, the eyes larger, antennae more slender, elytra with the series of punctures more distinct.

Source : MNHN, Paris

Head a little longer than hroad (2,75 : 2) as broad as tbe thorax, very slightly widened hehind, the posterior angles rounded, tbe temples ahout 1 ½ times as long as the eye, median frontal sulci rather short, punctures fine and very sparing, more numerous on the post-ocular region. Antennae slender, the penultimate segments moderately transverse. Thorax longer than broad (3 : 2) with dorsal row of five small punctures, externally with a row of four others. Elytra as long as the thorax, with sutural and lateral series of very fine close punctures. Ahdomen very finely and very sparingly punctured. Fore-parts without ground sculpture, that of abdomen scarcely visible.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Philonthus (Gabrius) magniceps, n. sp.

Shining, head black; thorax and abdomen dark hrown, elytra pitchy hlack; thorax with dorsal row of six punctures. Antennae hlack, the first three segments and legs reddish yellow, the tibiae sometimes infuscate. Length : 4 mm.

Head transversely subquadrate, in botb sexes broader than the thorax, the eyes slightly longer than the slightly retracted post-ocular region, the front witb superfical median impression, interocular punctures widely separated, tbe bead in ♂ a good deal larger than in ♀; at the sides witb a few scattered punctures, ground sculpture fine and wavy. Antennae rather slender, 3rd segment as long as 2nd, 4th as long as broad, 5th to 10th transverse, scarcely increasing in width. Thorax slightly longer than broad, tbe sides straight, slightly retracted behind, with six dorsal and two lateral punctures, the ground sculpture as on the head. Elytra as long as but broader than the thorax, as long as broad, finely and closely punctured and puhescent, the ahdomen also.

♂ : 6th sternite with acute triangular emargination.

Ivory Coast : Réserve du Banco (Type); Tonkoui : alt. 1.000 m.

Philonthus megophthalmus, n. sp.

Shining hlack, the abdomen dark brown : thorax with dorsal row of six punctures. Antennae hlack, the first two segments yellowish hrown. Legs reddish yellow, the middle and posterior tibiae infuscate. Length : 5 mm.

This species appears to he near *ocularis* Bernh. Head transverse, suhorbicular, as broad as the thorax. The eyes very large, fully twice as long as the post-ocular region, with five setiferous juxta-ocular punctures and a pair of widely separated interocular ones : there is also a very fine and moderately close puncturation and extremely fine ground sculpture. Antennae ratber short, 3rd segment as long as 2nd, 4th as long as broad, 5th to 10th transverse, the penultimate twice as broad as long. Thorax as long as broad, the sides straight, slightly retracted behind, with dorsal row of six ratber large punc-

Source : MNHN, Paris

tures, near the side with a row of six others furnished with a black setae; the sculpture and ground sculpture as on the head. Elytra longer (4 : 3) and broader than the thorax, as long as broad, very finely and very closely punctured. Abdomen a little narrowed towards apex, very finely and very closely punctured. Head and thorax with fine close pubescence at the sides, closer on the elytra and abdomen.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Pygostenus alternans, n. sp.

Shining, head and elytra black, thorax and abdomen dark red. Antennae and legs reddish brown. Length : 5 mm.

Size and build of *kohli* Wasm. but darker and with different sculpture and pubescence. Head closely and finely punctured and with a few larger scattered punctures. Thorax transverse (6,5 : 3) the sides gently rounded, the anterior border broadly and slightly emarginate, very finely and closely punctured and with larger scatterd punctures. Elytra at the suture as long as the thorax, very finely and closely punctured like the thorax, the lateral striae continued along the base as far as the suture. Abdomen with close short golden pubescence, only at the sides of the first three visible tergites with two or three long yellow hairs, the 4th with four long black setae on the posterior margin, the 5th with two near the base.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Pygostenus affinis, n. sp.

Shining black, the sides of thorax and abdomen reddish. Antennae dark, the 11th segment lighter. Legs reddish yellow. Length : 4 mm.

Very near *alternans* but a little smaller, of similar build, the thorax more or less obscurely reddish at the sides, the puncturation of head, thorax and elytra much finer but about as close and without larger scattered punctures; the basal striae of the elytra and abdominal setae similar in the two species.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Eupolemon parvus, n. sp.

Moderately shining, the head and elytra black, thorax trisulcate, red, abdomen red. Antennae and legs reddish yellow. Length : 1,8 mm.

In general facies much like *tiro* Wasm. but much smaller and with different sculpture. Head subquadrate, narrower than the thorax (2,5 : 3,5) the post-ocular region slightly retracted, a little longer than the eye, finely, rather closely punctured on the disc, more closely at the sides and front. Antennae with 3rd segment longer than the 2nd, the following as long or slightly longer than broad, 11th as long as the three preceding together. Thorax transverse (3,5 : 2,5), semicircular, broadly and deeply emarginate in front,

Source : MNHN, Paris

the anterior angles produced, deeply trisulcate throughout, the lateral sulci wider than the median, at the sides finely bordered : closely punctured like the head, in the sulci rather less closely and more shining. Elytra a little longer (3 : 2,5) and broader than the thorax (4,5 : 3,5) at the sides distinctly carinate, the sculpture consisting of large superficial moderately close punctures and a fine close puncturation much like that of thorax. Abdomen gradually narrowed from base to apex, with long yellow setae and shorter moderately close yellow pubescence but without black setae except at apex. Elytra with a few short yellow hairs.

Only the first tarsal segments are well chitinized, the others are very delicate and easily detached as in *Doryloxenus*.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Eupolemon simplicicollis, n. sp.

Slightly shining, head and elytra black. Thorax and abdomen darker or lighter brownish red. Antennae with the 1st and 11th segments yellowish red, the rest dark. Legs reddish yellow. Length : 2,75 mm.

Head transversely suborbicular, nearly as broad as the thorax, the eye shorter than the post-ocular region, a little produced, narrowed and rounded in front in the middle, moderately finely, densely rugosely punctured. Antennae with 1st and 2nd segments a little longer than broad, 3rd to 10th slightly transverse 11th narrow, pointed as long as the 9th and 10th together. Thorax slightly transverse (1,7 : 1,3), the anterior border broadly and slightly emarginate, the sides gently rounded in front, straighter and a little retracted behind, all the angles rounded, along the middle not or scarcely impressed, the sculpture as on the head. Elytra longer (1,75 : 1,3) and broader (2,5 : 1,7) than the thorax, the sculpture similar in character but rather coarser. Abdomen narrowed at apex, closely and rugosely sculptured, the posterior margins of the first four visible tergites with long yellow hairs, the 1st with one, the 2nd to 4th with three, 5th with two erect black setae placed transversely across the middle on each side. Head and thorax practically without pubescence, elytra with a few short hairs. Abdomen with fine close short yellow pubescence.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Pronomaea parva, n. sp.

Head, thorax and abdomen black, the apex of the latter brownish yellow, fore-parts moderately, abdomen much more shining; elytra pitchy. Antennae black, the first three segments and legs reddish yellow. Length : 2 mm.

Very similar to *insularis* Cam. of the same size, build and lustre, but with longer and darker antennae. Head closely, moderately finely punctured. Antennae with the 3rd segment a little longer than the 2nd, 4th and

Source : MNHN, Paris

5th scarcely transverse, 6th to 10th transverse, differing but little, about a half broader than long. Thorax transverse (3,75 : 2,75), before the scutellum with a small impression, more finely and more closely punctured than the head, scarcely differing from that of *insularis*. Elytra transverse (4 : 3) slightly longer than the thorax, closely and asperately punctured, less finely than in *insularis*. Abdomen with the first three visible tergites with a small basal keel, closely and moderately coarsely punctured in the impressions, much more finely and sparingly elsewhere. The whole insect without ground sculpture.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Gyrophaena (Phanerota) Delamarei, n. sp.

Black, shining, the base and apex of abdomen obscurely reddish. Antennae and legs reddish yellow. Length : vix 1 mm.

Very near *carinifer* Cam. but differs in the entirely yellow antennae and the extremely fine simple and sparing puncturation of the elytra and the ♂ abdominal characters. Head narrower than thorax (2 : 2 ½), the eyes occupying nearly the whole side, at the base and sides with a few small punctures; ground sculpture absent. Antennae short, the 3rd segment much shorter than the 2nd, 4th very small, transverse, 5th to 10th broader, the penultimate segments twice as broad as long. Thorax transverse (2 ½ : 1 ½), sides evenly rounded, equally retracted in front and behind, the disc with four minute punctures placed quadrately, at the sides with one or two more; ground sculpture absent. Elytra as long and as broad as the thorax, extremely finely and very sparingly punctured, the ground sculpture scarcely visible, in the ♂ with a strong ridge at the postero-external angle and a small tubercle near the posterior end of the inner margin. Abdomen narrowed towards apex, extremely finely, very sparingly punctured, ground sculpture extremely fine, coriaceous, the sides with a few short, black setae.

♂ : 7th tergite with a pair of transverse tubercles almost contiguous a little before the posterior margin; 8th with a median triangular lobe with rounded apex, on each side of its base with a minute tooth.

Ivory Coast : Réserve du Banco. Dans des champignons.

Gyrophaena (Phanerota) Pauliani, n. sp.

Black, shining, the first two visible tergites and apex of abdomen yellowish red. Antennae blackish, the first three segments and legs yellow. Length : 1,3 mm.

From *congoensis* Bernh. at once distinguished by the dark antennae. Head nearly as broad as the thorax (2,5 : 3) the eyes large, occupying practically the whole side, at the sides with a few punctures, the ground sculpture very fine, retiform. Antennae with 3rd segment shorter than 2nd, 4th small

Source : MNHN, Paris

transverse, 4th stouter, as long as broad, the following differing but little, moderately transverse, 11th as long as 9th and 10th together. Thorax transverse (3 : 1,75) the sides evenly rounded, more retracted behind, the disc with four very small quadrately placed punctures, at the sides with a few others, the ground sculpture as on head. Elytra longer (2,5 : 1,75) and broader than the thorax, broader than long, in the ♂ with rather close coarse tubercles, in the ♀ with much finer and more scanty ones; ground sculpture as on thorax. Abdomen a little narrowed at apex, very finely and very sparingly punctured, finely coriaceous.

♂ : 7th tergite with round flat tubercle at the middle of the posterior margin; 8th with short rounded median lamella and adjacent to it with a short stout tooth on each side.

Ivory Coast : Réserve du Banco. Dans des champignons.

Coenonica minuta, n. sp.

Black, moderately shining. Antennae black, the 1st segment reddish. Legs reddish yellow. Length : 1,5 mm.

Smaller and blacker than *parva* Cam., the thorax a little shorter and so more transverse, less retracted behind. Head coarsely and closely punctured. Antennae scarcely differing from *parva*, the penultimate segments strongly transverse. Thorax transverse (3 : 2 ½), the U-shaped impression much less prolonged in front and the median anterior impression less distinct than in *parva*, the sculpture coarse and close. Elytra scarcely longer than the thorax, but broader, transverse (3 ½ : 2 ½) with coarse close rugose sculpture. Abdomen parallel, closely and finely punctured. In the two specimens before me the 8th tergite is truncate, with three or four very small indistinct teeth, the upper surface closely asperate.

Ivory Coast : Réserve du Banco.

Coenonica granulicollis, n. sp.

Moderately shining, black, the elytra sometimes obscurely reddish at the base. Antennae black, the 1st segment and base of 2nd and 3rd reddish yellow. Legs reddish yellow, the femora slightly infuscate. Length : 2,75 mm.

In size, build and colour much like *rudis* Fauv., described as an *Alianta*, but more shining and with different thoracic sculpture. Head narrower than the thorax, coriaceous and impunctate in front, elsewhere closely covered with umbilicate punctures closer and coarser than in *rudis*. Antennae with the third segment slightly longer than the 2nd, 4th slightly longer than broad, 5th as long as broad, 6th to 10th slightly transverse, differing but little, 11th stout, as long as 9th and 10th together. Thorax transverse (2 : 1,5), the sides rounded in front, retracted and feebly sinuate behind, the posterior angles obtuse and prominent, before the scutellum with a small impres-

Source : MNHN, Paris

sion, closely covered with small granules. Elytra broader than the thorax, transverse (2,5 : 1,75), closely, moderately finely, somewhat roughly punctured. Abdomen closely and moderately finely punctured on the first four visible tergites, on the 5th and 6th with close short rugae.

♂ : 8th tergite truncate with small close triangular teeth along the posterior margin.

♀ : 8th tergite feebly rounded; 6th sternite, broadly rounded.

Ivory Coast : Réserve du Banco.

Coenonica granulipennis, n. sp.

Of the build and colour and lustre of *granulicollis* Cam. the antennae similarly constructed but with the first two segments reddish brown; a little smaller (1,5 mm.) the sculpture of the head of similar character but the punctures smaller and more superficial, that of the thorax scarcely differing in the two species but that of the elytra with coarser and distinctly granular sculpture, the abdomen as in *granulicollis.*

♂ : 8th tergite truncate and with close, short blunt spines along the posterior margin on each side with a longer slightly curved pointed spine.

♀ : 8th tergite truncate finely and close crenulate.

Ivory Coast : Réserve du Banco. On *Raphia.*

Tomoxella semiopaca, n. sp.

Head and thorax dull, black, the elytra somewhat, the abdomen still more shining, the base of the former obscurely reddish, the posterior margins of the tergites rufescent. Antennae black, the first three segments and apex of the 11th reddish yellow. Legs reddish yellow. Length : 3 mm.

In build and antennal structure much resembling *Stenusa africana* Cam., which is referable to *Tomoxelia*, but differing in the sculpture and ♂ characters. Head narrower than the thorax, the eyes large, longer than the distinctly retracted temples, distinctly coriaceous and with small superficial umbilicate punctures much less distinct than in *africana.* Antennae with the 3rd segments slightly longer than the 2nd, 4th slightly longer than broad, 5th as long as broad, 6th to 10th moderately transverse, the 11th rather longer than the 9th and 10th together. Thorax transverse (4,75 : 3,5), the sides rounded and retracted in front and behind, before the scutellum with a small fovea, strongly coriaceous and without punctures. Elytra longer than the thorax (4,3 : 3,5) broader than long (5,75 : 4,3), somewhat shining, finely, closely and asperately punctured and without ground sculpture. Abdomen parallel, a little narrowed at apex, the first four visible tergites transversely impressed at bases, rather coarsely and closely punctured in the impressions, more finely and less closely elsewhere. Pubescence short and moderately close on the fore-parts, more scanty on the abdomen.

Source : MNHN, Paris

♂ : each elytron at the suture behind with a short more shining ridge : 7th tergite with numerous small granules, the posterior margin with three long processes at the middle, on each side with a longer, more slender and slightly curved spine.

Ivory Coast : Réserve du Banco.

Autalia myrmecophila, n. sp.

Minute, black, shining, the first three visible tergites reddish. Antennae black, the 1st segment and legs reddish yellow. Length : 1 mm.

Much smaller than *rivularis* Gr. of similar build but with shorter elytra. Head a little broader than the thorax, subquadrate, retracted behind the eyes, the posterior angles rounded; eyes rather large, a little longer than the temple; in front deeply bifoveate, extremely finely, indistinctly, moderately closely punctured. Antennae with 3rd segment a little shorter than the 2nd, 4th as long as broad, 5th to 10th gradually more transverse, the penultimate about a half broader than long, 11th as long as the 9th and 10th together. Thorax as long as broad, the sides rounded in front, straight and retracted behind, in the middle with a fine groove not extending to the anterior or posterior borders, on each side behind with a deeper and broader oblique sulcus, external to this with a basal fovea; puncturation fine and indistinct. Elytra longer and broader than the thorax, transverse (2,5 : 2), at the base each with two deep longitudinal sulci, the puncturation as on the thorax. Abdomen a little widened posteriorly, the first two visible tergites with five little basal keels, the puncturation very fine, indistinct and scanty. Ground sculpture absent on the fore-parts and abdomen except the 4th and 5th visible tergites. Pubescence fine and very sparing.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Demera (Demerina) rubricollis, n. sp.

Fore-parts greasy lustrous, abdomen more shining. Head dark, thorax red, elytra blackish, the base and posterior margin narrowly and obscurely reddish, abdomen reddish, the 3rd, 4th and base of 5th tergites infuscate. Antennae with the first four segments and apex of the 11th reddish yellow, the rest infuscate. Legs reddish yellow. Length : 2-2,2 mm.

In build and colour much like *globosa* Bernh. but larger and more robust and less shining, the head and thorax less finely punctured, the ground sculpture much more distinct, the antennae stouter. Head transverse, subquadrate, narrower than the thorax, widened behind, the temples slightly shorter than the eyes, the posterior angles rounded, finely and rather closely punctured and with fine but distinct ground sculpture. Antennae with the 2nd segment a little shorter than the 1st, 3rd about half as long as the 2nd, 4th and following transverse, the penultimate three time broader than long, 11th

Source : MNHN, Paris

nearly as long as the three preceding together. Thorax transverse (3 : 2,75) convex, the sides rounded with the base which is slightly produced backwards in the middle, along the middle with a very fine impressed line, on each side of base obliquely, superficially impressed, the puncturation as close, but deeper and more distinct than on the head, the ground sculpture however similar Elytra broader and slightly longer than the thorax (3,5 : 3), each broadly superficially, sub-triangularly impressed, closely, much less finely, distinctly asperately punctured. Abdomen a little narrowed at base and towards apex, very finely, rather closely, punctured. Pubescence fine, short, moderately close on the fore-parts, much longer on the abdomen.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Demera (Demerina) subglobosa n. sp.

Rather dull; head and abdomen black, the apex brownish yellow; the thorax dark reddish brown, elytra pitchy black. Antennae and legs reddish yellow. Length : 1,75 mm.

♀ : near *globosa* Bernh. But less shining, the head shorter and broader, not widened behind the eyes which are larger and about as long as the temples, very finely but much more closely punctured; thorax more transverse, less strongly retracted behind and without median or lateral impressions, the puncturation much less fine, closer and somewhat rough; elytra as finely but more closely punctured. Head transverse, the posterior angles rounded, a little narrower than the thorax, the eye as long as the temple, very finely, closely somewhat roughly punctured. Antennae with the 3rd segment about half as long as the 2nd, 4th and following gradually more transverse, the penultimate about 2 ½ times broader than long, the 11th scarcely longer than the two preceding together. Thorax transverse (2,5 : 2), convex, without median or lateral impressions, as closely but less finely punctured than the head. Elytra broader and slightly longer than the thorax, broader than long, the puncturation as close but finer. Abdomen scarcely narrowed at the base, gradually narrowed to the apex, very finely rather closely punctured and pubescent, the 1st visible tergite with a black setae on each side near the posterior margin, the following each with four.

Ivory Coast : Réserve du Banco.

Demera (Demerina) associata, n. sp.

In colour, size and build similar to *rubricollis* Cam. and only differing in the following respects : the head is more widened behind the eyes, the puncturation much less fine and somewhat asperate, thorax with similar puncturation, sculpture of elytra scarcely differing from that of *rubricollis* but that of the abdomen not so close as in that species.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Source : MNHN, Paris

Falagria (s. str.) **myrmecobia,** n. sp.

Shining black. Antennae black. Legs brownish yellow. Length : 2 mm. Blacker and a little narrower than *coarcticollis* Fauv. the antennae black, the legs darker, at once distinguished by the much coarser and closer puncturation of the thorax and closer puncturation of the abdomen, the head is less transverse. Head transverse, suborbicular, as broad as the thorax, extremely finely, moderately closely punctured. Antennae rather long, als the segments longer than broad, the penultimate only slightly so : thorax al long as broad, the sides strongly arcuately retracted behind, sulcate along the middle, closely covered with distinctly asperate punctures, much coarser than in *coarcticollis.* Elytra broader and slightly longer than the thorax, transverse (4 : 3) as closely but less finely punctured than in *coarcticollis*, the punctures asperate. Abdomen finely and closely punctured, more closely than in *coarcticollis.*

Ivory Coast : Réserve du Banco. With *Anomma nigricans.*

Myrmecopora (Ilyusa) termitophila, n. sp.

A little shining; head and elytra black, the latter obscurely lighter at the base, abdomen with the first two visible tergites reddish yellow, the following blackish. Antennae with the 1st segment and apex of the last, reddish yellow. Legs reddish yellow. Length : 2,75-3 mm.

Head transverse, as broad as the thorax, widened behind the eyes, these about as long as the temples, the posterior angles rounded, finely and closely punctured. Antennae rather short, the 3rd segment as long as the 2nd, 4th slightly longer than broad, 5th to 10th transverse scarcely increasing in width, the 11th as long as the three preceding together. Thorax transverse (3,3 : 2,75) trapezoidal, the sides rounded in front, straight and retracted behind, the posterior angles rounded, along the middle with fine impressed line, as closely but less finely punctured than the head. Elytra slightly longer but distinctly broader than the thorax, transverse (4 : 3) rather more finely and more closely punctured. Abdomen a little narrowed at apex, very finely and closely punctured throughout. The whole insect with a fine, moderately close pubescence.

Ivory Coast : Réserve du Banco. With a Termite.

Amanota (?) semlopaca, n. sp.

Fore-parts dull, dark reddish brown with purple tinge; abdomen shining, the first two visible tergites yellow, the rest black. Antennae reddish yellow, the 4th to 7th segments infuscate. Legs reddish yellow, the tibiae slightly infuscate. Length : 3 mm.

In view of the structure of the sternum and long posterior tarsi, I refer

Source : MNHN, Paris

this species to *Amanota* Cas. In size and build much like *Gnypeta carbonaria* Mannerh. Head suborbicular, a little narrower than the thorax, the eye shorter than the post ocular region, densely coriaceous, impunctate. Antennae with the 3rd segment as long as the 2nd, 4th a little longer than broad, 5th and 6th about as long as broad, 7th to 10th transverse, the penultimate a half broader than long. Thorax slightly transverse (2 : 1,75) trapezoidal, the sides rounded in front, straight and retracted behind, before the scutellum with a fossa continued forwards as a fine impressed line for a short distance; sculpture as on the head. Elytra slightly longer than the thorax, broader than long (3 : 2), the sculpture similar. Abdomen a little narrowed at apex, finely, closely, somewhat asperately punctured on the first two visible tergites, more finely and more sparingly on the following; ground sculpture absent. Pubescence on the fore-parts, fine, short and inconspicuous, longer on the abdomen.

S. Africa : Durban. With Ants (Barbier).

Gen. **EALISBIA**. nov.

In build much resembling *Schistoglossa viduata* Kr. but much smaller, more shining and with differently constructed antennae. Head narrower than the thorax (2.5 : 3.1) and inserted therein, subquadrate, the posterior angles rounded, the eyes slightly shorter than the temples which are finely bordered below. Labrum rounded in front. Mandibles briefly bifid at apex. Maxillary palpi 4-jointed, the first segment small, 2nd rather stout, oval, 3rd longer than 2nd, oval, and scarcely as wide, 4th much narrower and scarcely a fourth as long, its apex truncate. Outer lobe of maxilla closely, finely and shortly pubescent at the apex, the inner closely and finely pectinate internally. Mentum transverse, scarcely emarginate in front. Labial palpi 3-jointed, the 1st segment short and stout, scarcely longer than broad, 2nd narrower than the 1st, as long as broad, 3rd longer than 2nd, narrower at the base and thickened towards the apex, truncate. Tongue as long as the 1st segment of the labial palpus, narrower at the base, the sides rounded, deeply excised at the apex and so bilobed. Prosternum transverse, oblong, pronotal epipleura not visible from the side. Mesosternum keeled, its process acute, the intersternal piece narrow, the coxae narrowly separated. Elytra emarginate postero-externally. Abdomen with the basal tergites not transversely impressed. Tibiae finely ciliate. Tarsi 4, 5,5. the anterior with the first three segments short, equal, the 4th longer than these together, middle with the 1st segment short, 2nd to 4th a little longer, subequal, 5th as long as the preceding together, posterior with the 1st segment rather short, 2nd to 4th longer, subequal, 5th as long as the three preceding together.

Source : MNHN, Paris

Ealisbia africana. n. sp.

Moderately sbining; head and abdomen black, the latter with the first two visible tergites and the last sometimes obscurely yellowish brown. Tborax dark reddish brown; elytra brownish yellow. Length 1,3-2 mm.

Head very finely, closely and obsoletely punctured, the ground sculpture extremely fine. Antennae reaching the base of the tborax, the 3rd segment as long as but more slender thant the 2nd, 4th to 10th gradually more transverse, the penultimate about a half broader than long, the 11th as long as the 9th and 10th together. Thorax transverse (3,3 : 2,5), convex, the sides gently rounded, a little more retracted behind than in front, the sculpture as on the head. Elytra longer and broader than the thorax, transverse (3,75 : 3) closely, less finely and more distinctly punctured, the ground sculpture very fine. Abdomen slightly narrowed towards the apex, the puncturation very fine, rather close on the anterior tergites, more sparing behind. The whole insect with a fine, rather close yellowish pubescence, longer and less fine on the abdomen.

♂ : 8th tergite with small arcuate emargination at the middle of the posterior border; 6th sternite a little produced and broadly rounded bebind.

Ivory Coast : Pont du Nzi : on *Elaeis* flowers. Also Eala, Belgian Congo.

Gen. **NOTATHETA,** nov.

Except for the larger head with margined temporal region, this genus has exactly the build of *Notothecta anceps* Er., the mouth parts are also similar, tbe mesosternal process however is sborter and broader, extending only about half the length of the coxae, the 1st segment of the posterior tarsi a little longer than the 2nd. From *Pachorhopala* Bernb. it is distinguished by the antennal structure and the finely closely punctured abdomen. Temples finely bordered. Labial palpi with the 2nd segment balf as long as the 1st, 3rd a little longer than the 1st. Tongue shorter than tbe 1st segment of labial palpi, split to the base into two diverging triangular lobes. Antennae but little thickened towards apex. Pronotal epipleura visible from the side. Mesosternum simple, its process rather broad and extending half the length of the coxae and separated from the metasternum by a long intersternal piece, the coxae moderately separated. Abdomen witb the first three visible tergites transversely impressed, the 5th with fine membranous border. Tarsi 4, 5, 5, slender, the 1st segment of the posterior tarsus slightly longer than the 2nd.

Notatheta anommatis, n. sp.

Moderately shining black. Antennae black, the first two segments and legs reddish yellow. Length : 2,3 mm.

Except for tbe larger head this species has exactly the build colour and

Source : MNHN, Paris

lustre of *Notothecta anceps* Er., the structure of the antennae is also very similar. Head broad, narrower than the thorax, eyes large, the temples very short, puncturation fine, moderately close, ground sculpture feeble, coriaceous. Antennae with the 3rd segment a little longer than the 2nd, 4th as long as broad, 5th to 10th transverse, differing hut little, 11tb longer than tbe 9th and 10tb togetber. Thorax transverse (4 : 3) tbe sides rounded in front, straight and retracted behind, the posterior angles distinct, obtuse, before the scutellum with a small fovea, puncturation fine close, and asperate, much finer tban in *anceps*. Elytra as long as, but broader than the thorax, transverse (4,5 : 3), not emarginate postero-externally, finely more closely, asperately punctured. Abdomen slightly narrowed at apex, finely and closely punctured, more sparingly on the last two segments and with a fine ground sculpture. Pubescence throughout fine, moderately close.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Pachorhopala colorata, n. sp.

Shining, head dark reddisb brown, thorax and abdomen yellowish red the last two tergites black, elytra reddisb yellow. Antennae reddish yellow the 4th to 9th segments infuscate. Legs reddish yellow. Length : 3,5 mm.

A brightly coloured species. Head transverse, narrower than the thorax, suborbicular, the eyes rather prominent, about as long as the temples, with a few very small punctures. Antennae with the 3rd segment slightly longer than the 2nd, 4th as long as broad, 5th to 10th transverse, increasing in widtb, the penultimate fully twice as broad as long, 11th as long as 9th and 10tb togetber. Tborax transverse (2,75 : 2) convex, the sides gently rounded and retracted in front and behind, before tbe scutellum with a small superficial fovea, very finely, sparingly punctured, the sides each witb four black setae. Elytra broader and slightly longer than the thorax, transverse, (3.5 : 2.5) not emarginate postero-externally, very finely punctured, very sparingly on the disc, more closely towards the sides. Abdomen narrowed from base to apex, except for a few fine setiferous punctures along the posterior margins of the tergites practically impunctate. The whole insect without ground sculpture, the punctures each with a short stiff hair.

Ivory Coast : Réserve du Banco.

Atheta (Philhygra) anommatis, n. sp.

Moderately shining, hlack, the abdomen obscurely reddish at the base, the last tergite yellowish. Antennae hlack, the 1st segment and legs reddish yellow. Lengtb : 2 mm.

Head suborbicular, slightly transverse, a little narrower than the thorax (2 : 2.5), the eyes a little longer than the post-ocular region, very finely, sparingly and indistinctly punctured, the ground sculpture feeble. Antennae

Source : MNHN, Paris

rather long, slender, the 3rd segment as long as the 2nd, 4th slightly longer than broad, 5th as long as broad, 6th to 10th slightly transverse, 11th as long as the three preceding together. Thorax transverse (2,5 : 2) subquadrate, the sides straight and parallel, the puncturation very fine but closer and rather more distinct than on the head, the ground sculpture similar, Elytra a little longer (2,5 : 2) and broader than the thorax, broader than long (3,2 : 2,5) the postero-external angles slightly emarginate, finely, closely and much more distinctly punctured. Abdomen a little narrowed towards apex, very finely, sparingly punctured especially behind, the ground sculpture fine and reticulate. Pubescence throughout fine and moderately close. Middle and posterior tibiae each with a fine seta about the middle.

It would appear to be near *sibatwana* Bernh. In all the specimens the 8th tergite is narrowed to the apex and truncate.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Atheta (Microdota) Pauliani, n. sp.

Moderately shining : head and elytra black, thorax dark red, abdomen yellowish red, the 6th tergite infuscate. Antennae black, the first three segments and legs reddish yellow. Length : 1,1 mm.

Of the size and build of *liliputana* Bris. but differently colored, the antennae much stouter, the fore-parts much more finely and indistinctly punctured, abdomen more closely punctured. Head subquadrate, nearly as broad as the thorax, the eye about as long as the temple; puncturation very fine, close and indistinct, the ground sculpture very fine. Antennae with the third segment distinctly shorter than the 2nd, 4th to 10th gradually more transverse, the penultimate three times broader than long, 11th as long as the 9th and 10th together. Thorax slightly transverse (2 : 1,75), very finely closely punctured. Elytra as long as and slightly broader than the thorax, closely, less finely punctured. Abdomen parallel, rather closely, very finely punctured on the first three tergites, more sparingly on the following, the ground sculpture very fine and reticulate : the whole insect with a fine and rather close pubescence, the 8th tergite very gently rounded behind.

Ivory Coast : Réserve du Banco.

ATHETA, subgen. **DABURA,** nov.

In build much like *Badura* M. and R. but differs in the absence of the strong setae found in that sub-genus, the structure of the antennae and longer posterior tarsi. The pronotal epipleura are visible from the side.

Atheta (Dabura) anommatophila, n sp.

Black, moderately shining. Antennae black, the first segment brownish yellow. Legs reddish yellow. Length : 1,5-1,75 mm.

Source : MNHN, Paris

In size and huild much like *Atheta parvula* Mannh. but less shining and different sculpture, etc... Head transverse, suborhicular, a little narrower than the thorax, the eyes large, hut not prominent, as long as the post-ocular region, very finely, indistinctly, moderately closely punctured; ground sculpture absent. Antennae rather long and slender, the 3rd segment as long as the 2nd, 4th to 6th ahout as long as broad, differing but little, 7th to 10th slightly transverse, 11th elongate, nearly as long as the four preceding together. Thorax transverse (3 : 2,3) the sides gently rounded in front, straighter and a little retracted behind, very finely, rather closely and more distinctly punctured than the head; ground sculpture absent. Elytra a little longer (2,75 : 2,3) and hroader than the thorax, broader than long (3,5 : 2,75), not emarginate postero-externally, very finely, closely, somewhat roughly punctured. Abdomen narrowed to the apex, very finely, moderately closely punctured on the first three visible tergites, more sparingly behind, the ground sculpture very fine. Fore-parts with a fine, short, rather close pubescence and without setae, the ahdomen with much longer and less close puhescence, along the posterior margins ol the first five visible tergites with longer setae, the sides with a few short hlack setae. Middle tibiae with two fine short setae. Posterior tarsi long and slender.

Ivory Coast : Réserve du Banco. *With Anomma nigricans.*

Atheta (Aerotona) Delamarei, n. sp.

Moderately shining, head and elytra hlack, thorax dark hrown, ahdomen yellowish hrown. Antennae yellowish red. Legs yellow. Length : 2 mm.

Distinguished by the small size and short broad thorax. Head transverse, suhorbicular, narrower than the thorax, the eye slightly longer than the post-ocular region, very finely rather closely punctured, feehly coriaceous. Antennae stout, 3rd segment as long as 2nd, 4th to 10th gradually more transverse, the penultimate a half broader than long, 11th as long as the 9th and 10th together Thorax transverse (3 : 2) the sides gently rounded, a little more retracted in lront than behind, the puncturation fine and close, hut less fine than on the head, ground sculpture scarcely visihle. Elytra as long as, and hetween the shoulders a little narrower than the thorax, finely hut more closely and somewhat roughly punctured. Abdomen very finely, moderately closely punctured on the first three tergites, much more sparingly hehind.

Ivory Coast : Azaguié.

Zyras (Glossacantha) charlanus, n. sp.

♀ : shining yellowish red, the head and last three visihle tergites black. Antennae reddish, the first three segments and legs reddish yellow. Length : 5 mm.

This species would appear to be very near *termitovagans* Bernh. Head

Source : MNHN, Paris

short and broad, narrower than the thorax, the eyes very large, the temples very short, moderately finely and moderately closely punctured and without ground sculpture. Antennae with the 3rd segment twice as long as the 2nd, 4th to 10th transverse, the penultimate twice as broad as long, the 11th as long as the three preceding together. Thorax transverse (4 : 3), the sides straight behind and distinctly retracted, the posterior angles obtuse, before the scutellum sometimes with a small fovea, not sulcate, the punctures as on the head and without ground sculpture. Elytra a third longer than the thorax, transverse (5,5 : 4), less finely and more closely punctured. Abdomen moderately finely and moderately closely punctured on the first three visible segments, more finely and much more sparingly behind.

Very near *Lgockii* Bernh. but differs from it in the colour of the abdomen, the thorax is also shorter and so more transverse (4 : 3,3), in sculpture and all other respects similar.

♂ : unknown.

Moyen Chari : Fort Archambault.

Zyras (Trachydonia) vexans, n. sp.

Shining, head dark reddish brown, thorax reddish yellow; elytra pitchy, the suture, lateral and posterior margins yellow; abdomen with the first two visible tergites yellow, 3rd reddish brown, 4th black, 5th and 6th reddish. Antennae reddish yellow. Legs yellow. Length : 3 mm.

In build colour and lustre, much like *lucens* Bernh. but smaller, the antennae shorter, the penultimate segments more transverse, head more finely punctured and with a fine but distinct ground sculpture; thorax more closely punctured, the punctures asperate, elytra with similar but finer sculpture than in *lucens*. A small parallel species with short broad thorax. Head distinctly narrower than thorax, the eyes large, the temples about a third as long, disc without impression, moderately finely, rather closely punctured and with a fine coriaceous ground sculpture. Antennae with the 3rd segment distinctly longer than the 2nd, 4th as long as broad, 5th to 10th gradually increasing in width, the penultimate twice as broad as long, the 11th as long as the 9th and 10th together. Thorax transverse (2,3 : 1,5) the sides rounded in front, straight and retracted behind, the posterior angles distinct; narrowly obliquely impressed at the sides and without fovea before the scutellum or median impression, moderately finely, moderately closely asperately punctured, ground sculpture scarcely visible. Elytra transverse, broader and a little longer than the thorax, more closely, less finely, roughly punctured. Abdomen a little narrowed before the apex, the first three visible tergites extremely finely and extremely sparingly, scarcely perceptibly punctured the 4th and 5th with some fine elongate punctures at the bases, almost impunctate elsewhere, the 6th with a few very fine punctures and without ground sculpture.

Moyen Chari : Fort Archambault; Demarou (Type).

Source : MNHN, Paris

Zyras (Creodonia) Lujae, Wasm.

The description of this species is very incomplete, the following is made from a ♂ co-type.

Black, moderately shining, antennae and legs reddish yellow. Length : 6 mm. Head transverse, suborbicular, triangularly produced between the antennal tubercles, narrower than the thorax (3,3 : 4.75), the eyes large occupying the whole side, distinctly coriaceous and with a few small scattered punctures. Antennae with the 3rd segment a little longer than the 2nd, 4th as long as broad, 5th to 10th slightly tranverse increasing but little in breadth, 11th as long as the 9th and 10th together. Thorax transverse (4,75 : 3,75) the sides rounded in front, straight and retracted behind, the posterior angles distinct, obtuse, the base bevelled and a little produced backwards in the middle, at the sides slightly impressed, before the scutellum with a deep fossa, moderately, closely, finely asperately punctured, coriaceous. Elytra as long as but broader than the thorax, transverse (5,5 : 3,75) rather closely and coarsely granular. Abdomen narrowed towards apex, finely and rather closely punctured, coriaceous. The 1st visible tergite with the posterior margins somewhat raised in the middle : 2nd with a small tubercle at the middle of the posterior margin : 5th with a pair of small tubercles about the middle; 6th with two parallel keels along the middle, the posterior margin truncate and obsoletely crenulate, on each side with a minute scarcely visible tooth.

Congo : Kondue, Kassai. (Coll. Wasmann.)

Zyras (Creodonia) Delamarel, n. sp.

Moderately shining black. Antennae black, the first segment and legs reddish yellow. Length : 5 mm.

Very like *lujae* Wasm. but at once distinguished by the dark antennae and in the following respects; thorax shorter and so more transverse (4,5 : 3) but the sculpture and also that of the head similar, elytra in the ♂ more finely granular. In other respects similar.

♂ : 1st visible tergite with a little tubercle at the middle of the posterior margin; 2nd with a short keel similarly placed : 5th with a pair of small tubercles about the middle : 6th with a pair of tubercles close together on the middle, the posterior margin gently rounded and crenulate, on each side with a small scarcely visible tooth.

♀ : 6th visible tergite truncate and obscurely crenulate : the sculpture of the elytra distinctly finer.

Ivory Coast : Réserve de Banco. *With Anomma nigricans.*

Source : MNHN, Paris

Zyras (Creodonia) satanas, n. sp.

Entirely black, moderately shining, Antennae and legs black, the tarsi reddish. Length : 6 mm.

Very similar to *diabolicus* Bernh. (as *Microcephalodonia* 1930, this subgenus is the same as *Creodonia* Wasm. 1915) the punctures of the head similarly spaced but a little smaller, the asperate punctures of the thorax larger and much less close, the sculpture of the elytra distinctly tuberculate, much less close than in *diabolicus*. In other respects similar.

♂ : first visible tergite with the middle third of the posterior margin slightly elevated and horizontally split so forming a shallow transverse pocket; 2nd at the middle of the posterior margin with large shining tubercle; 5th with three pairs of little tubercles along the posterior margin between the lateral sulci; 6th with a large elongate tubercle in the middle (sometimes sulcate) on each side with a small tubercle, the side margin forming a stout tooth, the border between narrowed and rounded with three or four blunt teeth; 6th sternite a little produced and narrowed, the posterior border very slightly emarginate.

♀ : 6th visible tergite truncate on each side with a tooth, the upper surface with several small tubercles; 6th sternite as in the ♂.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

Zyras (Aulacocephalonia) Paulliani, n. sp.

Extremely like *scelerosa* Cam. but with the anterior and posterior margins of the thorax narrowly, the sides more broadly reddish yellow, the elytra pitchy black, only the base narrowly reddish, the abdomen entirely reddish yellow : the sculpture of the head and thorax scarcely differs in the two species, but that of the elytra is less fine and distinctly asperate. In the ♂, the two tubercles on the 7th tergite are larger, situated nearer the base and nearer each other and the keels of the 8th tergite are absent. In all other respects similar. Length : 5 mm.

Ivory Coast : Réserve du Banco. With *Anomma nigricans*.

In the description of *scelerosa* it should have been stated that the elytra in the ♂ have a ridge on each side of the suture and parallel to it.

Maseochara differens, n. sp.

Shining black. Antennae black, the first two segments and base of 3rd reddish yellow. Legs reddish yellow, the femora a little infuscate Length: 3 mm.

Head suborbicular narrower than the thorax, the eyes large, not prominent, nearly as long as the post-ocular region; finely but distinctly coriaceous, at the base and sides with rather close, small, flat obsolete punctures, elsewhere

Source : MNHN, Paris

with finer and much more scanty puncturation. Antennae with the 3rd segment slightly longer than tht 2nd, 4th small, slightly transverse, 5th to 10th broader, increasing in width, the penultimate twice as broad as long, the 11th as long as the 9th and 10th together. Thorax transverse (2,75 : 2) the sides rounded, more retracted behind, on the disc with four minute, scarcely visible, punctures placed quadrately and finely and moderately closely punctured; ground sculpture as on the head. Elytra as long as but broader than the thorax; transverse (3,2 : 2) not emarginate postero-externally, closely and less finely punctured, ground sculpture absent. Abdomen a little narrowed towards apex, finely, rather closely acupunctate on the anterior tergites, more sparingly on the last three; ground sculpture absent. Pubescence throughout fine and moderately close. In the type the 8th tergite has a semi-circular emargination in the middle of the posterior margin : in the other specimen the truncate posterior margin of the 8th tergite is furnished with six little teeth.

Ivory Coast : Tonkoui, 1.000 m. (Type); Réserve du Banco, On *Raphia*.

Imprimé en France
TYPOGRAPHIE FIRMIN-DIDOT ET Cie. — MESNIL (EURE). — 5391/48
Dépôt légal : 1er trimestre 1948.

Source : MNHN, Paris

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